Table J1b. - Physical Properties of the Soils

Clay County, West Virginia

Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
2:														
Pope	0-10	---	---	5-15	1.20-1.40	2-6	0.10-0.16	0.0-2.9	1.0-4.0	.28	.28	5	3	86
	10-36	---	---	5-18	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.28	.28			
	36-65	---	---	5-20	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.28	.20			
3:														
Pope	0-10	---	---	5-15	1.20-1.40	2-6	0.10-0.16	0.0-2.9	1.0-4.0	.28	.28	5	3	86
	10-36	---	---	5-18	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.28	.28			
	36-65	---	---	5-20	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.28	.20			
Craigsville	0-8	---	---	5-15	1.20-1.40	2-20	0.07-0.15	0.0-2.9	1.0-5.0	.17	.28	3	3	86
	8-37	---	---	5-15	1.30-1.60	2-20	0.06-0.15	0.0-2.9	0.5-1.0	.17	.28			
	37-65	---	---	5-10	1.35-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.28			
5:														
Pope	0-10	---	---	5-15	1.20-1.40	2-6	0.10-0.16	0.0-2.9	1.0-4.0	.28	.28	5	3	86
	10-36	---	---	5-18	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.28	.28			
	36-65	---	---	5-20	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.28	.20			
09:														
Chavies	0-9	---	---	7-18	1.20-1.40	2-6	0.11-0.18	0.0-2.9	0.5-4.0	.24	.24	5	3	86
	9-57	---	---	7-18	1.20-1.40	2-6	0.11-0.20	0.0-2.9	---	.24	.24			
	57-65	---	---	7-18	1.30-1.50	2-6	0.08-0.18	0.0-2.9	---	.24	.24			
9:														
Chavies	0-9	---	---	7-18	1.20-1.40	2-6	0.11-0.18	0.0-2.9	0.5-4.0	.24	.24	5	3	86
	9-57	---	---	7-18	1.20-1.40	2-6	0.11-0.20	0.0-2.9	---	.24	.24			
	57-65	---	---	7-18	1.30-1.50	2-6	0.08-0.18	0.0-2.9	---	.24	.24			
10B:														

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
10B:														
Allegheny	0-9	---	---	15-27	1.20-1.40	0.6-2	0.12-0.22	0.0-2.9	1.0-4.0	.32	---	4	---	---
	9-49	---	---	18-35	1.20-1.50	0.6-2	0.13-0.18	0.0-2.9	---	.28	---			
	49-65	---	---	10-35	1.20-1.40	0.6-2	0.08-0.17	0.0-2.9	---	.28	---			
10C:														
Allegheny	0-9	---	---	15-27	1.20-1.40	0.6-2	0.12-0.22	0.0-2.9	1.0-4.0	.32	---	4	---	---
	9-49	---	---	18-35	1.20-1.50	0.6-2	0.13-0.18	0.0-2.9	---	.28	---			
	49-65	---	---	10-35	1.20-1.40	0.6-2	0.08-0.17	0.0-2.9	---	.28	---			
16D:														
Vandalia	0-8	---	---	20-35	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	5	6	48
	8-44	---	---	35-50	1.30-1.60	0.06-0.6	0.12-0.15	6.0-8.9	---	.32	.32			
	44-65	---	---	27-50	1.30-1.60	0.06-0.6	0.08-0.12	6.0-8.9	---	.32	.32			
16E:														
Vandalia	0-8	---	---	20-35	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	5	6	48
	8-44	---	---	35-50	1.30-1.60	0.06-0.6	0.12-0.15	6.0-8.9	---	.32	.32			
	44-65	---	---	27-50	1.30-1.60	0.06-0.6	0.08-0.12	6.0-8.9	---	.32	.32			
20C:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Upshur	0-11	---	---	15-27	1.20-1.40	0.6-2	0.12-0.16	3.0-5.9	1.0-4.0	.43	.43	4	6	48
	11-42	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	42-65	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	65-75	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20D:														

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
20D:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Upshur	0-11	---	---	15-27	1.20-1.40	0.6-2	0.12-0.16	3.0-5.9	1.0-4.0	.43	.43	4	6	48
	11-42	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	42-65	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	65-75	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20E:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Upshur	0-11	---	---	15-27	1.20-1.40	0.6-2	0.12-0.16	3.0-5.9	1.0-4.0	.43	.43	4	6	48
	11-42	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	42-65	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	65-75	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20F:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.24	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
20F:														
Upshur	0-11	---	---	15-27	1.20-1.40	0.6-2	0.12-0.16	3.0-5.9	---	.37	.43	4	---	---
	11-42	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	42-65	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	65-75	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
21C:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-40	---	---	---	---	0.2-2	---	---	---	---	---			
Lily	0-4	---	---	7-27	1.20-1.40	0.6-6	0.13-0.18	0.0-2.9	0.5-4.0	.28	.37	2	5	56
	4-28	---	---	18-35	1.25-1.35	2-6	0.12-0.18	0.0-2.9	0.1-0.5	.28	.28			
	28-32	---	---	16-35	1.25-1.35	2-6	0.08-0.17	0.0-2.9	0.1-0.5	.17	.24			
	32-42	---	---	---	---	0.0000-0.2	---	---	---	---	---			
21D:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Lily	0-4	---	---	7-27	1.20-1.40	0.6-6	0.13-0.18	0.0-2.9	0.5-4.0	.28	.37	2	5	56
	4-28	---	---	18-35	1.25-1.35	2-6	0.12-0.18	0.0-2.9	0.1-0.5	.28	.28			
	28-32	---	---	16-35	1.25-1.35	2-6	0.08-0.17	0.0-2.9	0.1-0.5	.17	.24			
	32-42	---	---	---	---	0.0000-0.2	---	---	---	---	---			
21E:														

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
21E:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Lily	0-4	---	---	7-27	1.20-1.40	0.6-6	0.13-0.18	0.0-2.9	0.5-4.0	.28	.37	2	5	56
	4-28	---	---	18-35	1.25-1.35	2-6	0.12-0.18	0.0-2.9	0.1-0.5	.28	.28			
	28-32	---	---	16-35	1.25-1.35	2-6	0.08-0.17	0.0-2.9	0.1-0.5	.17	.24			
	32-42	---	---	---	---	0.0000-0.2	---	---	---	---	---			
21F:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.24	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
22F:														
Pineville	0-10	---	---	15-25	1.00-1.30	0.6-2	0.12-0.18	0.0-2.9	0.5-5.0	.20	.24	5	8	0
	10-54	---	---	18-30	1.30-1.60	0.6-2	0.08-0.14	0.0-2.9	---	.15	.17			
	54-65	---	---	15-30	1.30-1.60	0.6-6	0.06-0.14	0.0-2.9	---	.15	.20			
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.24	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Laidig	0-11	---	---	7-27	1.20-1.40	0.6-6	0.08-0.12	0.0-2.9	2.0-4.0	.24	.32	4	---	---
	11-42	---	---	18-35	1.30-1.50	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.24	.28			
	42-65	---	---	18-35	1.40-1.70	0.06-0.6	0.06-0.10	0.0-2.9	0.0-0.5	.17	.20			
25F:														

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
25F:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.24	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
29:														
Udorthents	0-3	---	---	---	---	---	---	---	---	---	---	---	---	---
	3-65	---	---	---	---	---	---	---	---	---	---			
33E:														
Laidig	0-11	---	---	7-27	1.20-1.40	0.6-6	0.08-0.12	0.0-2.9	2.0-4.0	.24	.32	4	---	---
	11-42	---	---	18-35	1.30-1.50	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.24	.28			
	42-65	---	---	18-35	1.40-1.70	0.06-0.6	0.06-0.10	0.0-2.9	0.0-0.5	.17	.20			
41F:														
Cedarcreek	0-10	---	---	18-27	1.35-1.65	0.6-6	0.07-0.16	0.0-2.9	0.0-0.5	.32	.43	5	8	0
	10-65	---	---	18-27	1.35-1.65	0.6-6	0.07-0.16	0.0-2.9	---	.32	.43			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
42F:														
Itmann	0-12	---	---	27-40	1.30-1.55	0.6-6	0.08-0.16	3.0-5.9	0.0-0.5	.37	.37	5	8	0
	12-65	---	---	4-15	1.00-1.30	2-20	0.05-0.12	0.0-2.9	0.0-0.5	.32	.43			
43F:														
Fairpoint	0-4	---	---	18-27	1.40-1.55	0.6-2	0.09-0.16	0.0-2.9	0.0-0.5	.28	.49	5	8	0
	4-65	---	---	18-35	1.60-1.80	0.2-0.6	0.03-0.10	3.0-5.9	0.0-0.3	.28	.64			
44F:														
Fairpoint	0-4	---	---	18-27	1.40-1.55	0.6-2	0.09-0.16	0.0-2.9	0.0-0.5	.28	.49	5	8	0
	4-65	---	---	18-35	1.60-1.80	0.2-0.6	0.03-0.10	3.0-5.9	0.0-0.3	.28	.64			

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
46F:														
Cedarcreek	0-10	---	---	18-27	1.35-1.65	0.6-6	0.07-0.16	0.0-2.9	0.0-0.5	.32	.43	5	8	0
	10-65	---	---	18-27	1.35-1.65	0.6-6	0.07-0.16	0.0-2.9	---	.32	.43			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
80:														
Udorthents	0-3	---	---	---	---	---	---	---	---	---	---	---	---	---
	3-65	---	---	---	---	---	---	---	---	---	---			
115:														
Sensabaugh	0-9	---	---	8-25	1.25-1.40	0.6-6	0.12-0.18	0.0-2.9	1.0-3.0	.24	.24	5	---	---
	9-20	---	---	18-35	1.30-1.50	0.6-6	0.10-0.16	0.0-2.9	---	.20	.24			
	20-33	---	---	12-35	1.30-1.50	0.6-6	0.10-0.15	0.0-2.9	---	.17	.24			
	33-65	---	---	12-38	1.25-1.50	0.6-6	0.08-0.14	0.0-2.9	---	.17	.20			
120F:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.24	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Upshur	0-11	---	---	15-27	1.20-1.40	0.6-2	0.12-0.16	3.0-5.9	---	.37	.43	4	---	---
	11-42	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	42-65	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	65-75	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
122F:														
Pineville	0-10	---	---	15-25	1.00-1.30	0.6-2	0.12-0.18	0.0-2.9	0.5-5.0	.20	.24	5	8	0
	10-54	---	---	18-30	1.30-1.60	0.6-2	0.08-0.14	0.0-2.9	---	.15	.17			
	54-65	---	---	15-30	1.30-1.60	0.6-6	0.06-0.14	0.0-2.9	---	.15	.20			

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
122F:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.24	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Laidig	0-11	---	---	7-27	1.20-1.40	0.6-6	0.08-0.12	0.0-2.9	2.0-4.0	.24	.32	4	---	---
	11-42	---	---	18-35	1.30-1.50	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.24	.28			
	42-65	---	---	18-35	1.40-1.70	0.06-0.6	0.06-0.10	0.0-2.9	0.0-0.5	.17	.20			
AgB:														
Allegheny	0-9	---	---	15-27	1.20-1.40	0.6-2	0.12-0.22	0.0-2.9	1.0-4.0	.32	---	4	---	---
	9-49	---	---	18-35	1.20-1.50	0.6-2	0.13-0.18	0.0-2.9	---	.28	---			
	49-65	---	---	10-35	1.20-1.40	0.6-2	0.08-0.17	0.0-2.9	---	.28	---			
CeF:														
Cedarcreek	0-10	---	---	18-27	1.35-1.65	0.6-6	0.07-0.16	0.0-2.9	0.0-0.5	.32	.43	5	8	0
	10-65	---	---	18-27	1.35-1.65	0.6-6	0.07-0.16	0.0-2.9	---	.32	.43			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ch:														
Chavies	0-9	---	---	7-18	1.20-1.40	2-6	0.11-0.18	0.0-2.9	0.5-4.0	.24	.24	5	3	86
	9-57	---	---	7-18	1.20-1.40	2-6	0.11-0.20	0.0-2.9	---	.24	.24			
	57-65	---	---	7-18	1.30-1.50	2-6	0.08-0.18	0.0-2.9	---	.24	.24			
FpF:														
Fairpoint	0-4	---	---	18-27	1.40-1.55	0.6-2	0.09-0.16	0.0-2.9	0.0-0.5	.28	.49	5	8	0
	4-65	---	---	18-35	1.60-1.80	0.2-0.6	0.03-0.10	3.0-5.9	0.0-0.3	.28	.64			
GaF:														

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
GaF:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.24	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
GuC:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Upshur	0-11	---	---	15-27	1.20-1.40	0.6-2	0.12-0.16	3.0-5.9	1.0-4.0	.43	.43	4	6	48
	11-42	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	42-65	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	65-75	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GuD:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Upshur	0-11	---	---	15-27	1.20-1.40	0.6-2	0.12-0.16	3.0-5.9	1.0-4.0	.43	.43	4	6	48
	11-42	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	42-65	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	65-75	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GuE:														

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
GuE:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Upshur	0-11	---	---	15-27	1.20-1.40	0.6-2	0.12-0.16	3.0-5.9	1.0-4.0	.43	.43	4	6	48
	11-42	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	42-65	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	65-75	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GxF:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.24	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Upshur	0-11	---	---	15-27	1.20-1.40	0.6-2	0.12-0.16	3.0-5.9	---	.37	.43	4	---	---
	11-42	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	42-65	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	65-75	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Other Soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GyC:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-40	---	---	---	---	0.2-2	---	---	---	---	---			

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
GyC:														
Lily	0-4	---	---	7-27	1.20-1.40	0.6-6	0.13-0.18	0.0-2.9	0.5-4.0	.28	.37	2	5	56
	4-28	---	---	18-35	1.25-1.35	2-6	0.12-0.18	0.0-2.9	0.1-0.5	.28	.28			
	28-32	---	---	16-35	1.25-1.35	2-6	0.08-0.17	0.0-2.9	0.1-0.5	.17	.24			
	32-42	---	---	---	---	0.0000-0.2	---	---	---	---	---			
GyD:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Lily	0-4	---	---	7-27	1.20-1.40	0.6-6	0.13-0.18	0.0-2.9	0.5-4.0	.28	.37	2	5	56
	4-28	---	---	18-35	1.25-1.35	2-6	0.12-0.18	0.0-2.9	0.1-0.5	.28	.28			
	28-32	---	---	16-35	1.25-1.35	2-6	0.08-0.17	0.0-2.9	0.1-0.5	.17	.24			
	32-42	---	---	---	---	0.0000-0.2	---	---	---	---	---			
GyE:														
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Lily	0-4	---	---	7-27	1.20-1.40	0.6-6	0.13-0.18	0.0-2.9	0.5-4.0	.28	.37	2	5	56
	4-28	---	---	18-35	1.25-1.35	2-6	0.12-0.18	0.0-2.9	0.1-0.5	.28	.28			
	28-32	---	---	16-35	1.25-1.35	2-6	0.08-0.17	0.0-2.9	0.1-0.5	.17	.24			
	32-42	---	---	---	---	0.0000-0.2	---	---	---	---	---			
ItF:														
Itmann	0-12	---	---	27-40	1.30-1.55	0.6-6	0.08-0.16	3.0-5.9	0.0-0.5	.37	.37	5	8	0
	12-65	---	---	4-15	1.00-1.30	2-20	0.05-0.12	0.0-2.9	0.0-0.5	.32	.43			
LaE:														

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
LaE:														
Laidig	0-11	---	---	7-27	1.20-1.40	0.6-6	0.08-0.12	0.0-2.9	2.0-4.0	.24	.32	4	---	---
	11-42	---	---	18-35	1.30-1.50	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.24	.28			
	42-65	---	---	18-35	1.40-1.70	0.06-0.6	0.06-0.10	0.0-2.9	0.0-0.5	.17	.20			
MD:														
Itmann	0-12	---	---	27-40	1.30-1.55	0.6-6	0.08-0.16	3.0-5.9	0.0-0.5	.37	.37	5	8	0
	12-65	---	---	4-15	1.00-1.30	2-20	0.05-0.12	0.0-2.9	0.0-0.5	.32	.43			
PGF:														
Pineville	0-10	---	---	15-25	1.00-1.30	0.6-2	0.12-0.18	0.0-2.9	0.5-5.0	.20	.24	5	8	0
	10-54	---	---	18-30	1.30-1.60	0.6-2	0.08-0.14	0.0-2.9	---	.15	.17			
	54-65	---	---	15-30	1.30-1.60	0.6-6	0.06-0.14	0.0-2.9	---	.15	.20			
Gilpin	0-10	---	---	15-27	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.24	.32	3	8	0
	10-29	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	29-37	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	37-47	---	---	---	---	0.2-2	---	---	---	---	---			
Laidig	0-11	---	---	7-27	1.20-1.40	0.6-6	0.08-0.12	0.0-2.9	2.0-4.0	.24	.32	4	---	---
	11-42	---	---	18-35	1.30-1.50	0.6-6	0.08-0.12	0.0-2.9	0.0-0.5	.24	.28			
	42-65	---	---	18-35	1.40-1.70	0.06-0.6	0.06-0.10	0.0-2.9	0.0-0.5	.17	.20			
Po:														
Pope	0-10	---	---	5-15	1.20-1.40	2-6	0.10-0.16	0.0-2.9	1.0-4.0	.28	.28	5	3	86
	10-36	---	---	5-18	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.28	.28			
	36-65	---	---	5-20	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.28	.20			
Px:														
Pope	0-10	---	---	5-15	1.20-1.40	2-6	0.10-0.16	0.0-2.9	1.0-4.0	.28	.28	5	3	86
	10-36	---	---	5-18	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.28	.28			
	36-65	---	---	5-20	1.30-1.60	0.6-6	0.10-0.18	0.0-2.9	---	.28	.20			

Table J1b. - Physical Properties of the Soils - Continued

Clay County, West Virginia

Map Symbol and Soil Name	Depth In	Sand Pct	Silt Pct	Clay pct	Moist Bulk Density g/cc	Permeability (Ksat) In/Hr	Available Water Capacity In/In	Linear Extensibility Pct	Organic Matter Pct	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
Px:														
Craigsville	0-8	---	---	5-15	1.20-1.40	2-20	0.07-0.15	0.0-2.9	1.0-5.0	.17	.28	3	3	86
	8-37	---	---	5-15	1.30-1.60	2-20	0.06-0.15	0.0-2.9	0.5-1.0	.17	.28			
	37-65	---	---	5-10	1.35-1.55	6-20	0.04-0.09	0.0-2.9	0.5-1.0	.17	.28			
SM:														
Fairpoint	0-4	---	---	18-27	1.40-1.55	0.6-2	0.09-0.16	0.0-2.9	0.0-0.5	.28	.49	5	8	0
	4-65	---	---	18-35	1.60-1.80	0.2-0.6	0.03-0.10	3.0-5.9	0.0-0.3	.28	.64			
Ss:														
Sensabaugh	0-9	---	---	8-25	1.25-1.40	0.6-6	0.12-0.18	0.0-2.9	1.0-3.0	.24	.24	5	---	---
	9-20	---	---	18-35	1.30-1.50	0.6-6	0.10-0.16	0.0-2.9	---	.20	.24			
	20-33	---	---	12-35	1.30-1.50	0.6-6	0.10-0.15	0.0-2.9	---	.17	.24			
	33-65	---	---	12-38	1.25-1.50	0.6-6	0.08-0.14	0.0-2.9	---	.17	.20			
Ud:														
Udorthents	0-3	---	---	---	---	---	---	---	---	---	---	---	---	---
	3-65	---	---	---	---	---	---	---	---	---	---			
VaD:														
Vandalia	0-8	---	---	20-35	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	5	6	48
	8-44	---	---	35-50	1.30-1.60	0.06-0.6	0.12-0.15	6.0-8.9	---	.32	.32			
	44-65	---	---	27-50	1.30-1.60	0.06-0.6	0.08-0.12	6.0-8.9	---	.32	.32			
VaE:														
Vandalia	0-8	---	---	20-35	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	5	6	48
	8-44	---	---	35-50	1.30-1.60	0.06-0.6	0.12-0.15	6.0-8.9	---	.32	.32			
	44-65	---	---	27-50	1.30-1.60	0.06-0.6	0.08-0.12	6.0-8.9	---	.32	.32			
W:														
Water	---	---	---	---	---	---	---	---	---	---	---	---	---	---